

Converting Colors

XYZ(20.4323, 22.7647, 28.2248)

Have a look what the booklet for
XYZ(20.4323, 22.7647, 28.2248)
contains.

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Color

**XYZ(20.4678, 22.8662,
28.1458)**

Conversions

Conversions Part 1

Format	Color
Hex	73878C
RGB	115, 135, 140
RGB Percent	45%, 53%, 55%
CMY	0.5490, 0.4706, 0.4510
CMYK	0.18, 0.04, 0.00, 0.45
HSL	192°, 10%, 50%
HSV	192°, 18%, 55%
XYZ	20.4678, 22.8662, 28.1458
YIQ	129.5900, -13.5250, -2.6850

Conversions

Conversions Part 2

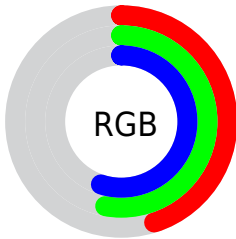
Format	Color
R_{YB}	115, 126, 140
Decimal	7571340
CIE Lab	54.93, -6.06, -5.10
CIE LCh	55, 7.919, 220.123
Yxy	22.8662, 0.2863, 0.3199
Android (android.graphics.Color)	4285761420 (0xFF73878C)
YUV	129.5900, 5.1321, -12.7954
Hunter-Lab	47.8186, -7.2792, -1.4248

Details

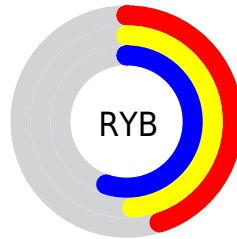
The XYZ color **20.4678, 22.8662, 28.1458** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.6264, 20.2462, 19.0408**, and the grayscale version is **21.0598, 22.1566, 24.1285**.

A 20% lighter version of the original color is **43.6572, 48.0770, 58.0177**, and **7.3407, 8.3934, 10.9061** is the 20% darker color. If you saturate the color by 10%, you get **18.3796, 21.2181, 27.9381**, and if you desaturate by 10%, it is **22.8472, 24.6809, 28.3710**.

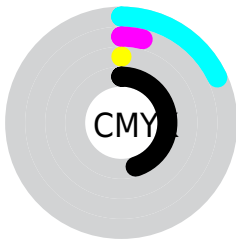
Distribution



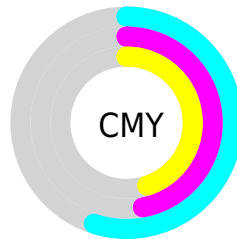
- Red (45%)
- Green (53%)
- Blue (55%)



- Red (45%)
- Yellow (49%)
- Blue (55%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (45%)



- Cyan (55%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4678, 22.8662, 28.1458 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.4678, 22.8662, 28.1458 by changing the saturation by 10% instead.

■ 20.4678, 22.8662,
28.1458

■ 20.4678, 22.8662,
28.1458

247.2220,
267.0370, 307.0968

■ 12.8458, 14.4947,
18.1956

■ 43.6981, 48.1735,
57.7430

■ 7.3987, 8.4656,
10.9196

■ 60.0371, 65.8782,
78.2271

■ 3.7612, 4.3943,
5.8993

■ 80.0124, 87.4627,
103.0596

■ 1.5679, 1.8965,
2.7162

103.9895,
113.3115, 132.6591

■ 0.3714, 0.5463,
0.9515

132.3336,
143.8089, 167.4439

■ 0.0000, 0.0000,
0.0000

165.4102,

179.3394, 207.8328

203.5845,
220.2873, 254.2443

■ 20.4678, 22.8662,
28.1458

■ 20.4678, 22.8662,
28.1458

■ 18.3796, 21.2181,
27.9381

■ 22.8472, 24.6809,
28.3710

■ 16.5680, 19.7271,
27.7458

■ 25.5278, 26.6655,
28.6128

■ 15.0200, 18.3871,
27.5687

■ 28.5212, 28.8269,
28.8722

■ 13.7208, 17.1902,
27.4062

■ 31.8382, 31.1707,
29.1498

■ 12.6542, 16.1280,
27.2574

■ 35.4888, 33.7022,
29.4460

■ 11.8018, 15.1909,
27.1214

■ 39.4827, 36.4265,
29.7614

■ 11.1424, 14.3678,
26.9973

■ 43.8291, 39.3483,
30.0963

■ 10.6330, 13.6364,
26.8830

■ 48.5368, 42.4725,
30.4512

■ 10.5291, 13.4842,
26.8591

■ 53.6145, 45.8036,
30.8265

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.1133, 22.8662, 25.7571



20.4678, 22.8662, 28.1458



21.1645, 22.8662, 29.7280

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.4678, 22.8662, 28.1458



23.3607, 22.8662, 26.5782



21.4382, 22.8662, 20.4336

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.4678, 22.8662, 28.1458



20.6264, 20.2462, 19.0408

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.3129, 22.8662, 20.6207



20.4678, 22.8662, 28.1458



23.4387, 22.8662, 24.0570

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.4678, 22.8662, 28.1458



22.8401, 22.8662, 28.7815



23.0506, 22.8662, 21.9091



20.6635, 22.8662, 21.3795

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.4678, 22.8662, 28.1458



21.7373, 22.8662, 30.0534



23.0506, 22.8662, 21.9091



21.7300, 22.8662, 20.3677

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.4685, 22.8671, 28.1463



41.5266, 44.4452, 50.1331



19.8136, 23.7474, 21.1768



9.5031, 10.1923, 11.5459



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4685, 22.8671, 28.1463



34.7082, 39.2400, 49.4877



18.8769, 19.6840, 27.6158



5.0894, 5.5217, 6.4034



9.3693, 12.0089, 23.8698



0.0722, 0.0998, 0.1619

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.3196, 19.5867, 25.5797



36.4810, 32.5181, 44.1170



22.1727, 23.3388, 19.5563



5.1917, 5.1121, 6.0981



12.2160, 5.9965, 14.1737



0.0862, 0.0419, 0.1207

Previews

White Background



This preview shows how the XYZ color 20.4678, 22.8662, 28.1458 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4678, 22.8662, 28.1458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

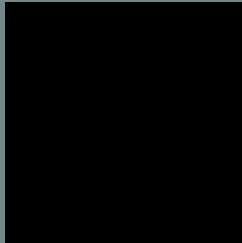
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

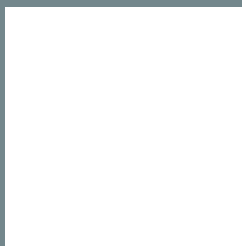
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4678, 22.8662, 28.1458

Background



This preview shows how black text looks on a background with the XYZ color 20.4678, 22.8662, 28.1458.



This preview shows how white text looks on a background with the XYZ color 20.4678, 22.8662,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.4678, 22.8662, 28.1458

Protanopia

22.0137, 22.6769, 26.8838

Deuteranopia

23.1193, 22.6207, 28.7389



Tritanopia

20.8384, 22.8075, 30.0921

Trichromacy



Original Color

20.4678, 22.8662, 28.1458

Protanomaly

21.4429, 22.7731, 27.3102

Deuteranomaly

21.9963, 22.6342, 28.4088

Tritanomaly

20.6855, 22.7464, 29.2868

Monochromacy



Original Color

20.4678, 22.8662, 28.1458

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0118, 22.5837, 25.8059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4678, 22.8662, 28.1458 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 135, 140)` looks like.

```
.text, #text, p{  
    color:rgb(115, 135, 140)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 135, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 135, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.4678, 22.8662, 28.1458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 135, 140) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(115, 135, 140) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(115, 135, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 135, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 135, 140);  
box-shadow:4px 4px 4px 4px rgb(115, 135,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4678, 22.8662, 28.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 135, 140) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115,  
135, 140) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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